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February 8, 1993

Beaver Valley Power Station
Unit 1 - Docket No. 50-334, License No. DPR-66
Unit 2 - Docket No. 50-412, License No. NPF-73
Monthly Operating Report

U. S. Nuclear Regulatory Commission
Document Control Desk
Washington, D.C. 20555

Gentlemen:

In accordance with Appendix A, Technical Specifications, the Monthly Operating Report is submitted for Unit 1 and Unit 2 for the month of January, 1993.

Respectfully,

D. E. Spoerry
Division Vice President
Nuclear Operations

DTJ/mmg

Enclosures

cc: NRC Regional Office
King of Prussia, PA

9302120123 930131
PDR ADOCK 05000334
R PDR

IT24

NARRATIVE SUMMARY OF
MONTHLY OPERATING EXPERIENCE

UNIT 1

JANUARY 1993

January 1
through
January 31

The Unit operated at approximately 90% output in accordance with the planned fuel cycle length extension during the entire report period.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-334
UNIT EVPS Unit 1
DATE Feb. 4, 1993
COMPLETED BY David T. Jones
TELEPHONE (412) 393-7607

MONTH January 1993

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>746</u>	17	<u>742</u>
2	<u>738</u>	18	<u>742</u>
3	<u>742</u>	19	<u>721</u>
4	<u>733</u>	20	<u>742</u>
5	<u>729</u>	21	<u>721</u>
6	<u>733</u>	22	<u>746</u>
7	<u>738</u>	23	<u>742</u>
8	<u>738</u>	24	<u>738</u>
9	<u>733</u>	25	<u>746</u>
10	<u>737</u>	26	<u>742</u>
11	<u>733</u>	27	<u>738</u>
12	<u>742</u>	28	<u>738</u>
13	<u>729</u>	29	<u>742</u>
14	<u>738</u>	30	<u>738</u>
15	<u>742</u>	31	<u>733</u>
16	<u>725</u>		

INSTRUCTIONS

On this format, list the average daily unit power level MWe-Net for each day in the reporting month. Compute to the nearest whole megawatt.

OPERATING DATA REPORT

DOCKET NO.: 50-334
 REPORT DATE: 02/03/93
 COMPLETED BY: DAVID T. JONES
 TELEPHONE: (412) 393-7607

OPERATING STATUS

1. UNIT NAME: BEAVER VALLEY POWER STATION, UNIT 1
2. REPORTING PERIOD: JANUARY 1993
3. LICENSED THERMAL POWER (MWt): 2652
4. NAMEPLATE RATING (Gross MWe): 923
5. DESIGN ELECTRICAL RATING (Net MWe): 835
6. MAX. DEPENDABLE CAPACITY (Gross MWe): 860
7. MAX. DEPENDABLE CAPACITY (Net MWe): 810

Notes

8. IF CHANGES OCCUR IN CAPACITY RATINGS SINCE LAST REPORT, GIVE REASONS:

9. POWER LEVEL TO WHICH RESTRICTED, IF ANY (Net MWe): None
10. REASONS FOR RESTRICTIONS, IF ANY: N/A

	THIS MONTH	YEAR TO DATE	CUMULATIVE
11. HOURS IN REPORTING PERIOD:	744.0	744.0	146880.0
12. NO. OF HRS. REACTOR WAS CRITICAL:	744.0	744.0	94294.3
13. REACTOR RESERVE SHUTDOWN HOURS:	0.0	0.0	4482.8
14. HOURS GENERATOR WAS ON LINE:	744.0	744.0	92394.8
15. UNIT RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GEN. (MWH):	1769550.0	1769550.0	220744551.5
17. GROSS ELECT. ENERGY GEN. (MWH):	583680.0	583680.0	71078173.0
18. NET ELECTRICAL ENERGY GEN. (MWH):	548190.0	548190.0	66414130.0
19. UNIT SERVICE FACTOR: (PERCENT)	100.0	100.0	64.9
20. UNIT AVAILABILITY FACTOR: (PERCENT)	100.0	100.0	64.9
21. UNIT CAPACITY FACTOR (MDC): PCT	91.0	91.0	58.5
22. UNIT CAPACITY FACTOR (DER): PCT	88.2	88.2	56.7
23. UNIT FORCED OUTAGE RATE: (PERCENT)	0.0	0.0	15.8

24. SHUTDOWNS SCHEDULED OVER NEXT SIX MONTHS (TYPE, DATE, AND DURATION OF EACH):
 THE UNIT IS SCHEDULED TO SHUTDOWN FOR ITS NINTH REFUELING OUTAGE ON
 MARCH 26, 1993. THE REFUELING OUTAGE IS SCHEDULED TO LAST FOR 70 DAYS.

25. IF SHUT DOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: _____

26. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION):

INITIAL CRITICALITY
 INITIAL ELECTRICITY
 COMMERCIAL OPERATION

FORECAST	ACHIEVED
N/A	N/A
N/A	N/A
N/A	N/A

UNIT SHUTDOWNS AND POWER REDUCTIONS (>20%)

REPORT MONTH JANUARY 1993Docket No. 50-334Unit Name BVPS Unit #1Date February 3, 1993Completed By David T. JonesTelephone (412) 393-7607

No.	Date	Type1	Duration (Hours)	Reason2	Method of Shutting Down Reactor3	Licensee Event Report #	System Code4	Component Code5	Cause & Corrective Action to Prevent Recurrence
NONE									

1
F-Forced
S-Scheduled

2
Reason:
A-Equipment Failure (Explain)
B-Maintenance or Test
C-Refueling
D-Regulatory Restriction
E-Operator Training & License Exam
F-Administrative
G-Operational Error (Explain)
H-Other (Explain)

3
Method:
1-Manual
2-Manual Scram
3-Automatic Scram
4-Cont'd. from Previous Month
5-Reduction
9-Other

4
Exhibit F-Instructions for
Preparation of Data Entry Sheets
for Licensee Event Report (LER) File
(NUREG0161).

5
Exhibit H-Same Source.

NARRATIVE SUMMARY OF
MONTHLY OPERATING EXPERIENCE

UNIT 2

JANUARY 1993

January 1 through January 3	The Unit continued to operate at a reduced output of approximately 48% in accordance with the planned fuel cycle length extension.
January 4	At 0200 hours the Unit commenced a power increase to 100% output. A nominal value of 100% output was achieved at 0900 hours.
January 5	The Unit operated at a nominal value of 100% output.
January 6	At 0951 hours the Unit commenced a reduction in output to approximately 89% to remove the "B" Separator Drain Receiver Drain Pump from service for repacking of the pump. An output of approximately 89% was achieved at 1100 hours.
January 7 through January 8	The Unit continued to operate at approximately 89% output while repacking of the "B" Separator Drain Receiver Drain Pump continued.
January 9	At 2200 hours the Unit commenced a power increase to 100% output following completion of repairs to the "B" Separator Drain Receiver Drain Pump.
January 10	A nominal value of 100% output was achieved at 0005 hours.
January 11 through January 21	The Unit operated at a nominal value of 100% output.
January 22	At 2126 hours the Unit commenced a reduction in output to approximately 45% in accordance with the planned fuel cycle length extension.
January 23	The Unit continued to operate at approximately 45% output in accordance with the planned fuel cycle length extension.
January 24	At 0825 hours the Unit began to increase power to 100% output. At 1152 hours the power increase was placed on hold at approximately 88% output to investigate a problem with the "B" Separator Drain Receiver Drain Pump.
January 25 through January 26	The Unit continued to operate at approximately 88% output while repairs to the "B" Separator Drain Receiver Drain Pump continued.

NARRATIVE SUMMARY OF
MONTHLY OPERATING EXPERIENCE

UNIT 2

JANUARY 1993 (continued)

January 27	Power output was slowly increased from approximately 88% to approximately 92% while repairs to the "B" Separator Drain Receiver Drain Pump continued.
January 28 through January 29	The Unit continued to operate at approximately 92% output while repairs to the "B" Separator Drain Receiver Drain Pump continued.
January 30	At 0124 hours the reactor automatically tripped and a safety injection occurred when two out of three low steamline pressure signals were received in the "A" loop. This occurred when the Channel III low pressure comparator card failed while the Channel II bistables were tripped during a channel surveillance test and transmitter replacement.
January 31	The Unit entered Mode 2 at 0755 hours. The reactor was taken critical at 0928 hours and Mode 1 was entered at 1055 hours. The Unit was synchronized to the electrical grid and the Main Unit Generator output breakers were closed at 1651 hours. The Unit began to increase power towards an output of approximately 92% for continued repairs to the "B" Separator Drain Receiver Drain Pump. The Unit was at an output of approximately 30% at the end of the report period.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-412
UNIT BVPS Unit 2
DATE Feb. 2, 1993
COMPLETED BY David T. Jones
TELEPHONE (412) 393-7607

MONTH January 1993

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>372</u>	17	<u>833</u>
2	<u>371</u>	18	<u>837</u>
3	<u>366</u>	19	<u>836</u>
4	<u>733</u>	20	<u>834</u>
5	<u>829</u>	21	<u>830</u>
6	<u>792</u>	22	<u>820</u>
7	<u>757</u>	23	<u>359</u>
8	<u>749</u>	24	<u>570</u>
9	<u>758</u>	25	<u>738</u>
10	<u>834</u>	26	<u>745</u>
11	<u>836</u>	27	<u>770</u>
12	<u>833</u>	28	<u>777</u>
13	<u>829</u>	29	<u>783</u>
14	<u>836</u>	30	<u>19</u>
15	<u>835</u>	31	<u>23</u>
16	<u>834</u>		

INSTRUCTIONS

On this format, list the average daily unit power level MWe-Net for each day in the reporting month. Compute to the nearest whole megawatt.

OPERATING DATA REPORT

DOCKET NO.: 50-412
 REPORT DATE: 02/03/93
 COMPLETED BY: DAVID T. JONES
 TELEPHONE: (412) 393-7607

OPERATING STATUS

1. UNIT NAME: BEAVER VALLEY POWER STATION, UNIT 2
2. REPORTING PERIOD: JANUARY 1993
3. LICENSED THERMAL POWER (MWt): 2652
4. NAMEPLATE RATING (Gross MWe): 923
5. DESIGN ELECTRICAL RATING (Net MWe): 836
6. MAX. DEPENDABLE CAPACITY (Gross MWe): 870
7. MAX. DEPENDABLE CAPACITY (Net MWe): 820

Notes

8. IF CHANGES OCCUR IN CAPACITY RATINGS SINCE LAST REPORT, GIVE REASONS:

9. POWER LEVEL TO WHICH RESTRICTED, IF ANY (Net MWe): None
10. REASONS FOR RESTRICTIONS, IF ANY: N/A

	THIS MONTH	YEAR TO DATE	CUMULATIVE
11. HOURS IN REPORTING PERIOD:	744.0	744.0	45663.0
12. NO. OF HRS. REACTOR WAS CRITICAL:	711.9	711.9	39213.1
13. REACTOR RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
14. HOURS GENERATOR WAS ON LINE:	704.6	704.6	38929.9
15. UNIT RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GEN. (MWH):	1635667.0	1635667.0	95182308.4
17. GROSS ELECT. ENERGY GEN. (MWH):	542713.0	542713.0	30686517.0
18. NET ELECTRICAL ENERGY GEN. (MWH):	512205.0	512205.0	28962012.0
19. UNIT SERVICE FACTOR: (PERCENT)	94.7	94.7	85.3
20. UNIT AVAILABILITY FACTOR: (PERCENT)	94.7	94.7	85.3
21. UNIT CAPACITY FACTOR (MDC): PCT	84.0	84.0	76.7
22. UNIT CAPACITY FACTOR (DER): PCT	82.4	82.4	75.9
23. UNIT FORCED OUTAGE RATE: (PERCENT)	5.3	5.3	3.3

24. SHUTDOWNS SCHEDULED OVER NEXT SIX MONTHS (TYPE, DATE, AND DURATION OF EACH):

25. IF SHUT DOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP:

26. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION):

	FORECAST	ACHIEVED
INITIAL CRITICALITY	N/A	N/A
INITIAL ELECTRICITY	N/A	N/A
COMMERCIAL OPERATION	N/A	N/A

UNIT SHUTDOWNS AND POWER REDUCTIONS (>20%)

REPORT MONTH JANUARY 1993

Docket No. 50-412
 Unit Name BVPS Unit #2
 Date February 4, 1993
 Completed By David T. Jones
 Telephone (412) 393-7607

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report #	System Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
1	930101	S	0	H	4	N/A	ZZ	ZZZZZZ	The Unit continued to operate at a reduced output of approximately 48% in accordance with the planned fuel cycle length extension.
2	930122	S	0	H	5	N/A	ZZ	ZZZZZZ	The Unit reduced output from 100% to approximately 45% in accordance with the planned fuel cycle length extension.
3	930130	F	39.4	A	3	93-002-00	1A	INSTRU	The Unit automatically tripped and a safety injection occurred when 2/3 low steamline pressure signals were received in the "A" loop. This occurred when the Channel III low pressure comparator card failed while the Channel II bistables were tripped during a channel surveillance test and transmitter replacement.

¹ F-Forced
 S-Scheduled

² Reason:
 A-Equipment Failure (Explain)
 B-Maintenance or Test
 C-Refueling
 D-Regulatory Restriction
 E-Operator Training & License Exam
 F-Administrative
 G-Operational Error (Explain)
 H-Other (Explain)

³ Method:
 1-Manual
 2-Manual Scram
 3-Automatic Scram
 4-Cont'd. from Previous Month
 5-Reduction
 9-Other

⁴ Exhibit F-Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG0161).

⁵ Exhibit H-Same Source.